

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS D350-602 REV E (OR EARLIER REV.)
AND INSTRUCTIONS FOR CONTINUOUS AIRWORTHINESS ICA-D350-602 REV. 0

REF. TCCA STC: SH93-97

REF. FAA STC: SR01144NY

REF. EASA STC: EASA.IM.R.S.01290

PURPOSE

Dart D350-601-011 *Heli-Utility-Pod*™ B/N 57243 has new attachment lugs and pod latching configuration as detailed below.

CHANGE

The D2230-1/-3 clamps are replaced with wider D4091-1/D3910-3 lugs. The abrasion strip is replaced with D3984-030 rubber extrusion. The leading/trailing edges of the utility pod each have an additional rubber latch (see Figure 3 of this service instruction). The D2462-1700 Neoprene Seal is replaced with D2461-1700 Neoprene 'D' Seal. The modified parts list for Installation Instruction D350-602 and Instructions for Continued Airworthiness ICA-D350-602 is shown on sheet 2 of this service instruction for the D350-602-011 B/N 57243 only. Install the lugs as shown in Figure 1 & 2 of this service instruction. The pod should otherwise be installed per D350-602 and maintained per ICA-D350-602.

The weight and balance for Dart D350-602-011 *Heli-Utility-Pod*™ B/N 57243 is updated as follows:

5.0 WEIGHT AND BALANCE (D350-602 Rev. E)

25.6 WEIGHT AND BALANCE (ICA-D350-602 Rev. 0)

The following weight and balance information is for the Dart *Heli-Utility-Pod*™. The weight and balance of any parts that are removed from the aircraft to perform this installation or equipment installed/stowed in the pods, are the responsibility of the installer.

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D350-602-011 B57243	62.7 lb	±51.0 in	±3197.7 in-lb	135 in	8465 in-lb
<i>Heli-Utility-Pod</i> ™ LH or RH	28.4 kg	±1.29 m	±36.6 m-kG	3.43 m	97.4 m-kG

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY:

D. SHEPHERD (DE # 02)

DATE: 10.03.30

CERT. NO.: SH93-97

ISSUE NO.: 4

A	NEW ISSUE	CP	10.03.30
REV.	DESCRIPTION	BY	DATE
DESIGN	99	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	99		
CHECKED	1	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9512	SHEET 1 OF 5
APPROVED	11	TITLE	SCALE
DE APPR.	11	LUG MODIFICATION	NTS
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6.0 PART LIST (D350-602 Rev. E)
25.7 PARTS LIST (ICA-D350-602 Rev. 0)






Qty D350-602 -011	Qty DSI9052 -013	Part Number	Description
X		D350-602-011	HELI-UTILITY-POD™ (FITS BOTH LH/ RH)
	X	DSI9052-013	QUICK RELEASE KIT
1		D2694	POD ASSEMBLY (LH OR RH)
1		*D2202-1	POD LID
1		*D2202-3	POD BASE
7		*D2204-9	LATCH
1		*D2429-041	SPRING CLIP ASSEMBLY
1		*D2461-1700	NEOPRENE 'D' SEAL
7		*D2528-1	BACKER PLATE
6		*D2528-3	BACKER PLATE
1		*D2569	HINGE
1		*D3007-041	PROP ASSEMBLY
1		** D2012-107	CLEVIS
2		** D2022-101	SPACER
1		** D2705	SUPPORT BRACKET
1		** D3007-1	STRUT
1		** D3015-3	LOCKNUT
1		** AN4-10A	BOLT
1		** AN960JD416	WASHER
1		** MS21042L4	NUT (OR MS21042-4)
1		** SL69-BS	BALL STUD
1		** AN960JD516	WASHER
27		*AN4-5A	BOLT
1		*AN4-6A	BOLT
2		*AN526C632R7	SCREW
29		*AN960JD416	WASHER
2		*AN960JD6	WASHER
2		*MS21042L06	NUT (OR MS21042-06)
28		*MS21042L4	NUT (OR MS21042-4)
4		D4091-1	LUG
4		D3910-3	LUG
1		D2258-160	LABEL
1		D2324-1	STRUT ASSEMBLY
2		D2523	MOUNTING BRACKET
2		D2524	SIDE PLATE
8		D3984-030	RUBBER EXTRUSION
1		D3495-1	PLACARD
4		AN3-7A	BOLT
8		AN3-15A	BOLT
1		AN4-12A	BOLT
16		AN4-14A	BOLT
4		AN4-16A	BOLT
24		AN960JD10	WASHER
42		AN960JD416	WASHER
12		MS21042L3	NUT (OR MS21042-3)
21		MS21042L4	NUT (OR MS21042-4)
	1	BLRS-010	QUICK RELEASE PIN (1" GRIP)
	3	BLRS-020	QUICK RELEASE PIN (1.5" GRIP)

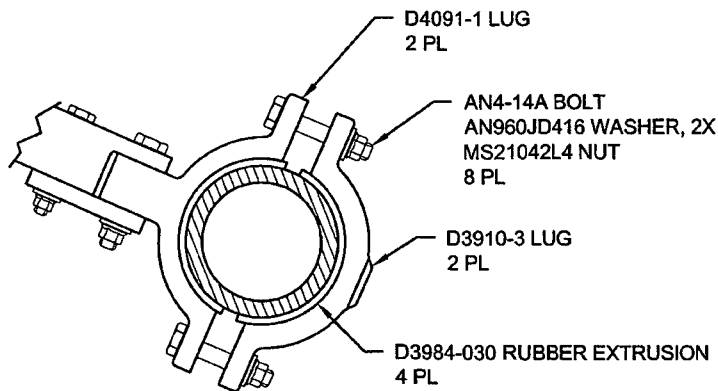
* INCLUDED IN D2694 OR D3322-041/-042 POD ASSEMBLIES LISTED ABOVE

** INCLUDED IN D3007-041 PROP ASSEMBLY LISTED ABOVE

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AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED
BY: 
D. SHEPHERD (DE # 02)
DATE: 10.03.30
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ISSUE NO.: 4

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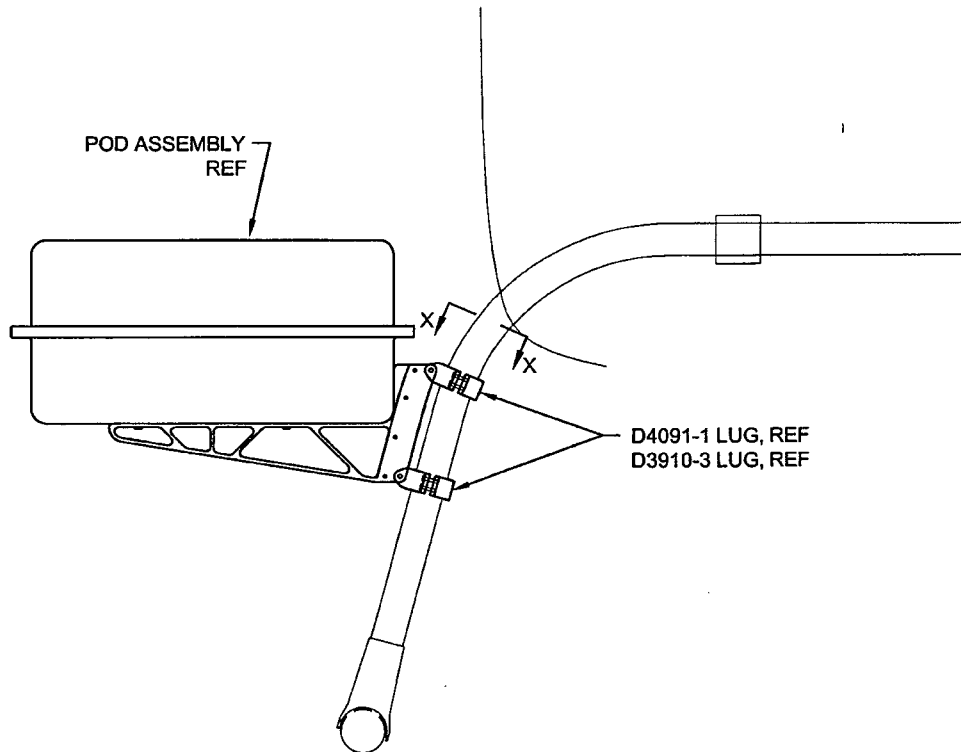
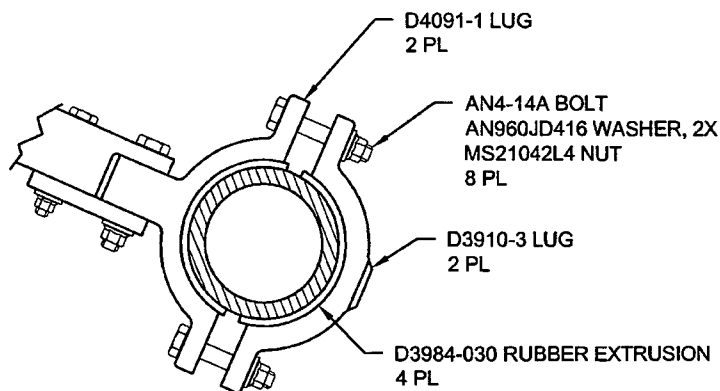


FIGURE 1: Aft Crosstube Attachment
(Installation of D4091-1 / D3910-3 Lugs)

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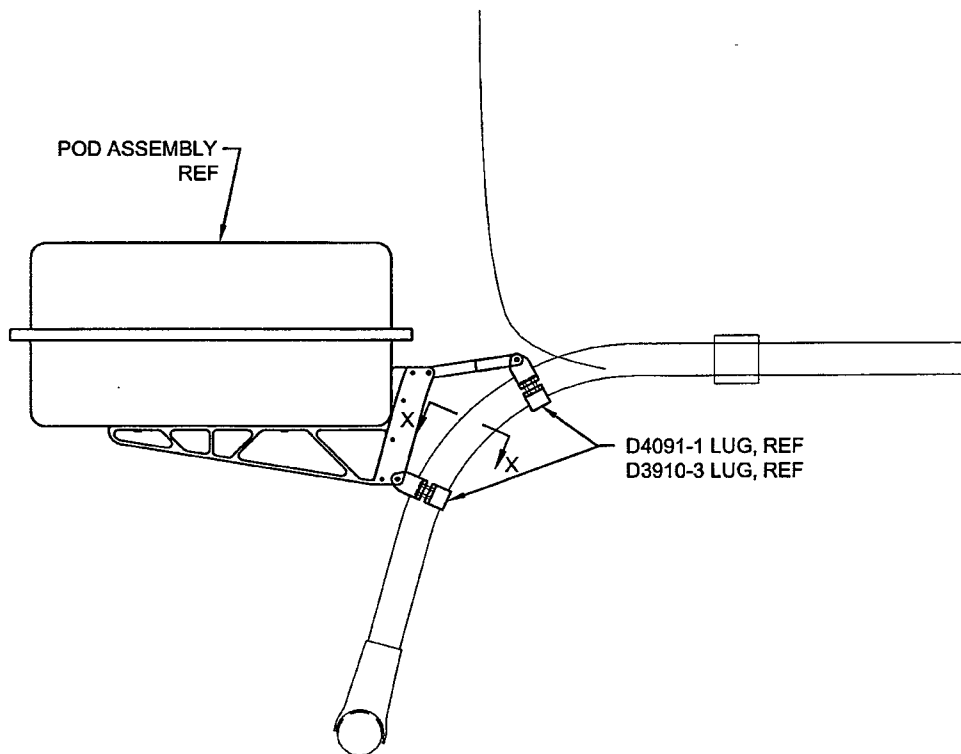


FIGURE 2: Fwd Crosstube Attachment
(Installation of D4091-1 / D3910-3 Lugs)

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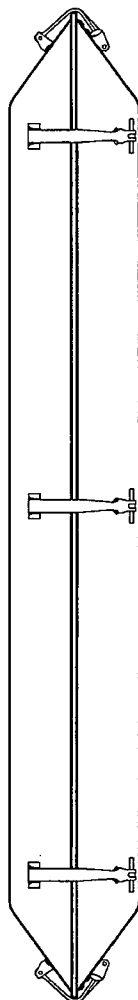
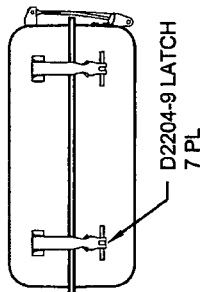


FIGURE 3: Pod Detail
(D350-602-011 B/N 57243)



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